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IN FILE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of)
)
SUGAHARA et al.)
)
Application Number: 10/522,241)
)
Filed: January 25, 2005)
)
For: A SPIN TRANSISTOR BASED ON THE SPIN-)
FILTER EFFECT AND A NONVOLATILE MEMORY)
USING SPIN TRANSISTORS)
)
ATTORNEY DOCKET NO. HIRA.0178)

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

COVER LETTER

Sir:

[x] The fee for submission of claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS ALREADY PAID	RATE	CALCULATION
Total Claims	70	70	50 (Over 20)	x \$50	0
Independent Claims	21	21	18 (Over 3)	x \$200	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$360	0
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28). IF APPLICABLE, VERIFIED STATEMENT MUST BE ATTACHED				x ½	
				TOTAL	0.00

In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

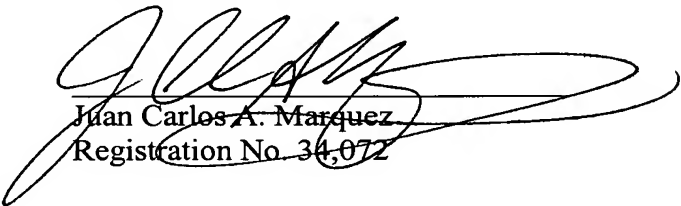
- [x] Preliminary Amendment
(with Claim Amendments)
- [] Substitute Specification
- [] Assignment
- [] Letter to Draftsperson
- [] Terminal Disclaimer

- [x] Substitute Specification (clean and
marked-up version)
- [] Statements & Pre-exam search report
with References
- [] Information Disclosure Statement with
references

- [] Please charge my **Deposit Account Number** _____ in the amount of _____ to cover the fees for _____. A duplicate copy of this paper is enclosed.
- [] A check in the amount of \$ _____ to cover the fee is enclosed.
- [x] The Commissioner is hereby authorized to charge any additional fees associated with this communication, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

Stanley P. Fisher
Registration Number 24,344


Juan Carlos A. Marquez
Registration No. 34,072

REED SMITH LLP
3110 Fairview Park Drive
Suite 1400
Falls Church, Virginia 22042
(703) 641-4200
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